## EAST Search History

| Ref# | Hits   | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|--------|--|---|---------------------|---------|---------------------|
| S70  | 1956   | "2,2-bis(3,4-dicarboxyphenyl) hexafluoropropane dianhydride" 'diphenylsullone letracarboxylic dianhydride' '2,2-bis(3,4-dicarboxy phenyl)propane dianhydride' "diphenylsulfoxide tetracarboxylic dianhydride" diphenylsulfoxide tetracarboxylic dianhydride' "biphenyl tetracarboxylic dianhydride" biphenyl tetracarboxylic dianhydride' beraphenone tetracarboxylic dianhydride' | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2009/01/05          |
| S71  | 2605   | "Benzidine, 4,4"-oxydianiline" "4,4"-diamino diphenylsulnom" "4,4"-diaminodiphenyl sulfide" "4,4"-diaminodiphenyl sulfoxide" "4,4"-diaminodiphenyl sulfoxide" "4,4"-diaminodiphenyldifluoromethane" "2,2-bis[4+(4-aminophenoxy)phenyl) propane" BAPP "bis[4-(4-aminophenoxy)phenyl] propane" BAPP "bis[4-(4-aminophenoxy)phenyl] sulphone"   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2009/01/05<br>17:27 |
| S72  | 161613 | (polyimide or imide)   | US-PGPUB;<br>USPAT  | AND                 | OFF     | 2009/01/05<br>17:27 |
| S73  | 401    | S70 S71 S72  | US-PGPUB;<br>USPAT  | AND                 | OFF     | 2009/01/05<br>17:27 |
| S74  | 853    | "Bis[4-(3-aminophenoxy)phenyl]sulfone"<br>BAPSM "1,3-metaphenylenediamine" MPDA<br>"1,3-bis(3-aminophenoxy) benzene" m-ABP<br>"3,4-oxydianiline" "3,4'-ODA"  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2009/01/05<br>17:27 |
| S75  | 3876   | "Oyclohexane diamine" "isophorone diamine"<br>"norbornane diamine"   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2009/01/05<br>17:27 |
| S76  | 8      | S73 S74 S75  | US-PGPUB;<br>USPAT  | AND                 | OFF     | 2009/01/05<br>17:27 |
| S77  | 27301  | (propylene adj carbonate) (ethylene adj<br>carbonate) (".gammabutyrolactone")  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2009/01/05<br>17:27 |
| S78  | 1      | S76 S77  | US-PGPUB;<br>USPAT  | AND                 | OFF     | 2009/01/05<br>17:27 |
| S79  | 1620   | (biphenyl tetracarboxylic dianhydride) OR<br>BPDA  | US-PGPUB;<br>USPAT  | ADJ                 | OFF     | 2009/01/05<br>17:27 |
| S80  | 65     | S79 S77  | US-PGPUB;<br>USPAT  | AND                 | OFF     | 2009/01/05<br>17:27 |
| S81  | 51523  | (propylene adj carbonate) (ethylene adj<br>carbonate) (gamma-butyrolactone)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/01/05<br>17:27 |
| S82  | 202    | "\$-diamino diphenylsulfone"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/01/05<br>17:27 |

| S83 | 8488 | (polyimide or imide) (tetracarboxy\$3 near3 dianhydride)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:27 |
|-----|------|---|---|-----|-----|---------------------|
| S84 | 16   | S81 S82 S83   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:27 |
| S85 | 2    | BPDA with BPADA with ratio  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:28 |
| S86 | 0    | bis\$4dicarboxyphenoxy\$2phenyl adj propane   | US-PGPUB;<br>USPAT  | OR  | OFF | 2009/01/05<br>17:30 |
| S87 | 5    | dicarboxyphenoxy\$2phenyl adj propane   | US-PGPUB;<br>USPAT  | OR  | OFF | 2009/01/05<br>17:30 |
| S88 | 2    | BPDA with (BPADA or BPAPAN) with ratio  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:33 |
| S89 | 7    | BPDA same (BPADA or BPAPAN) same ratio  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:34 |
| S90 | 8    | BPDA same (BPADA or BPAPAN) same (ratio or fraction or proportion or proportionality or rate or scale)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:40 |
| S91 | 8    | (BPDA or "biphenyl tetracarboxylic dianhydride") same (BPADA or BPAPAN or "2,2-bis(3,4-dicarboxy phenyl)propane dianhydride") same (ratio or fraction or proportion or proportionality or rate or scale)    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:45 |
| S92 | 88   | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") (BPADA or BPAPAN or "2,2-bis<br>(3,4-dicarboxy phenyl)propane dianhydride")<br>(ratio or fraction or proportion or<br>proportionality or rate or scale) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:45 |
| S93 | 72   | (BPDA or "biphenyl tetracarboxylic dianhydride") same (BPADA or BPAPAN or "2.2-bis(3.4-dicarboxy phenyl)propane dianhydride") (ratio or fraction or proportion or proportionality or rate or scale)         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | AND | OFF | 2009/01/05<br>17:47 |

| S94  | 100   | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") (BPADA or BPAPAN or "2,2-bis<br>(3,4-dicarboxy phenyl)propane dianhydride")  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:48 |
|------|-------|--|---|-----|-----|---------------------|
| S95  | 9530  | (ratio or fraction or proportion or<br>proportionality or rate or scale) with<br>(dianhydride or DA)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:49 |
| S96  | 50    | \$94 \$95  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/05<br>17:49 |
| S97  | 48    | (dianhydride near3 mixture).ab.  | US-PGPUB;<br>USPAT  | OR  | OFF | 2009/01/06<br>11:56 |
| S98  | 25348 | polyimide.ab,clm,ti.   | US-PGPUB;<br>USPAT  | OR  | OFF | 2009/01/06<br>11:56 |
| S99  | 30    | S97 S98  | US-PGPUB;<br>USPAT  | AND | OFF | 2009/01/06<br>11:56 |
| S100 | 22    | (dianhydride near3 (multiple or two or few or many)).ab.   | US-PGPUB;<br>USPAT  | OR  | OFF | 2009/01/06<br>13:15 |
| S101 | 15    | ("3541038"   "3817926"   "3847867"  <br>"4098800"   "4198277"   "4197396"  <br>"4215157"   "4221897"   "4281100"  <br>"4296229"   "4354965"), PN. OR ("4423111").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/06<br>13:40 |
| S102 | 20    | [("2888159"   "3607553"   "3652500"  <br>"3663510"   "3778411"   "3891601"  <br>"3915997"   "3925313"   "3952084"  <br>"3964525"   "4004062"   "4073788"  <br>"4107355"   "4145474"   "4170684"  <br>"4208464"),PN. OR ("4670342"),URFN. | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/06<br>15:10 |
| S103 | 5     | ("3407176" or "4612361" or "4680373" or "4794157" or "4864015").pn.  | US-PGPUB;<br>USPAT  | AND | ON  | 2009/01/06<br>16:11 |
| S104 | 1     | ("3983093").pn.  | US-PGPUB;<br>USPAT  | AND | ON  | 2009/01/06<br>16:15 |
| S105 | 104   | ("3699075"   "3803085"   "3833546"  <br>"3847867"   "3850885"   "3875116").PN. OR<br>("3963093").URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/06<br>16:17 |
| S106 | 4763  | (BPDA or (biphenyl\$1tetracarboxylic or<br>"biphenyl tetracarboxylic" or diphenyl<br>\$1tetracarboxylic or<br>"diphenyltetracarboxylic") near3 dianhydride)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/06<br>16:23 |
| S107 | 390   | \$106 (poly\$1ether\$1imide\$1 or ether\$1imide<br>\$1)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | AND | OFF | 2009/01/06<br>16:23 |

| S108 | 123 | \$106 (poly\$1 ether\$1imide\$1 or ether\$1imide<br>\$1) ab,ti,clm.  | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/06<br>16:23 |
|------|-----|--|---|-----|-----|---------------------|
| S109 | 446 | BPADA BPAPAN "2,2-bis(3,4-dicarboxy<br>phenyl)propane dianhydride" "2,2-bis(3,4-<br>dicarboxyphenyl)propane<br>dianhydride" (bisphenol-a near3 dianhydride)<br>(BPA near3 dianhydride)     | US-PGPUB,<br>USPAT;<br>USOCR, FPRS,<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/06<br>16:25 |
| S110 | 54  | S109 S107  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/06<br>16:25 |
| S111 | 0   | S105 "134"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/06<br>16:27 |
| S112 | 3   | S105 S110  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/06<br>16:27 |
| S113 | 1   | 2004-584079.NRAN.  | DERWENT   | AND | ON  | 2009/01/13<br>17:55 |
| S114 | 151 | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") (BPADA or BPAPAN or "2,2-bis<br>(3,4-dicarboxy phenyl)propane dianhydride"<br>or ((bisphenol\$3 or BPA) near3 (dianhydride<br>or DA))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>11:41 |
| S115 | 100 | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") (BPADA or BPAPAN or "2,2-bis<br>(3,4-dicarboxy phenyl)propane dianhydride")  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>11:42 |
| S116 | 51  | S114 not S115  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>11:42 |
| S117 | 84  | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") same3 (BPADA or BPAPAN or<br>"2_c-bis(3,4-dicarboxy phenyl)propane<br>dianhydride")  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>11:42 |

| S118 | 0   | S117 not S115  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>11:42 |
|------|-----|--|---|-----|-----|---------------------|
| S119 | 13  | ("3983093"   "4197396"   "4540748"  <br>"4623732"   "4675376").PN. OR ("5106938").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/14<br>11:55 |
| S120 | 9   | "5106938"  | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/14<br>13:16 |
| S121 | 13  | ("3983093"   "4197396"   "4540748"  <br>"4623732"   "4675376"). PN. OR ("5106938").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/14<br>13:16 |
| S122 | 1   | "5106938" not S121   | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2009/01/14<br>13:16 |
| S123 | 151 | (BPDA or "biphenyl tetracarboxylic<br>dianhydride") (BPADA or BPAPAN or "2,2-bis<br>(3,4-dicarboxy phenyl)propane dianhydride"<br>or ((bisphenol\$3 or BPA) near3 (dianhydride<br>or DA))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>13:36 |
| S124 | 11  | \$123 ((dianhydride or DA) near3 (multiple or<br>two or few or many or several or varied or<br>various))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2009/01/14<br>13:36 |
| S125 | 901 | (propylene adj carbonate) with plasticizer   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2009/01/21<br>11:06 |
| S126 | 5   | S125 polyimide.ab.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2009/01/21<br>11:08 |
| S127 | 22  | S125 polyimide.ab,clm,tl.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2009/01/21<br>11:09 |

<sup>1/21/2009 12:19:20</sup> PM

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